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[9]p. (foreign text included) 1 ref.
Available on loan from SLA 62-14014

[Rough draft] trans. of Izvestiya Vysshikh iichesnykh
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DESCRIPTORS: *Conical bodies, Hypersonics,
*Hypersonic flow, Velocity, Numerical analysis,
Differential equations.

The steady-state axially symmetric flow around an
infinite cone is considered. The speed of flow is
assumed to be hypersonic. The approximate equation
for the velocity potential is used to obtain a solution
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(Mechanics--Aerodynamics, TT, v. 7, no. 7)

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Sci - Phys

Feb 61

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SLA 60-18763

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Figurovskii, V. I.
 CALCULATION OF THE HEATING OF TWO-LAYER
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 Order from OTS or SLA \$1.60 61-23650

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DESCRIPTORS: *Laminates, *Heating, Measurement.

Equations are obtained that may be used for the cal-
 culation of the heating of a heat insulated plate under
 any law of change of surface temperature with time.
 It is possible to take into account the change in the heat
 transfer coefficient with time and if necessary the
 physical heat properties of the materials.

(Physics--Thermodynamics, TT, v. 6, no. 8)

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Stability of an Elastic Band in a Gas Flow by
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Approximate Modeling of Wing Flutter in a
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Heat Transfer in the Neighborhood of the
Blunt Leading Edge of a Cylindrical Wing
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Sci-Phys
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the variation of axial fuel concentration at increasing
distances from the nozzle section are analyzed. (See
also 60-18763)

1. Fuel nozzles--Design
2. Atomization--Equipment
3. Title: Centrifugal nozzles
- I. Il'yashenko, S. M.
- II. Title: Local...
- III. Title: Variation...

158895

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(Engineering--Aeronautical, TT, v. 5, no. 11)

Calculating the Temperature Fields in an
Insufficiently Heated Liquid Upon Boiling
Under Conditions of Free Convection, by
L. A. Latyshev, 9 pp.

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Order from OTS or SLA \$1.60 62-18102

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DESCRIPTORS: *Jet mixing flow, Temperature,
Velocity, Gases, Compressible flow.

(Mechanics--Aerodynamics, TT, v. 9, no. 8)

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On One Method of Selecting the Parameters of
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by N. P. Kolpakova, S. I. Rybnikov, 5 pp.

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FTD MCL-1099/1

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Solution of the Extreme Problem of the Movement
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A Theoretical Example of a Subsonic Flow
Past a Profile With a Local Supersonic
Region Terminating in a Normal Shock, by
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